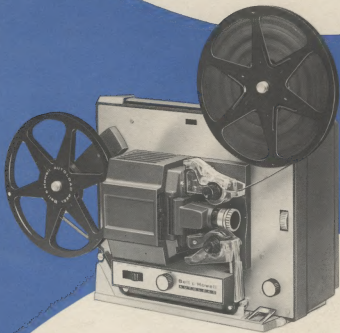


HOW TO USE YOUR

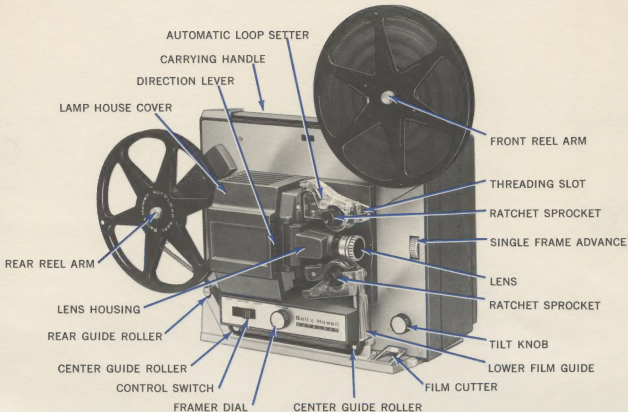


Bell & Howell
356
AUTOLOAD®
SUPER 8
PROJECTOR

WELCOME TO **Bell & Howell**

Open this flap
of your instruction booklet

Keep the flap open as you read through the instructions that follow. This will give you a quick reference to all the working parts of your Autoload Super 8 projector. Familiarity with these names before operating your projector will assure complete success with your first roll of film.



introducing the all new
Bell & Howell AUTOLOAD®
SUPER 8 PROJECTOR

QUIET, BRIGHT, AUTOMATIC

SUPER 8 MEANS 50% LARGER PICTURE AREA



Your new Autoload Super 8 Projector is designed to project the all new Super 8 film and will not accept conventional 8mm film. The 50% larger picture area on the new Super 8 film creates an opportunity for a projector to produce sharper, brighter images on your screen. Your Bell & Howell Autoload Super 8 Projector does just that.

AUTOMATIC THREADING, REEL TO REEL

Slip the film into a slot, it threads itself automatically all the way onto the take-up reel.

DESIGNED FOR SEEING, NOT HEARING

Your Autoload purrs quietly, the gears and motors are isolated and specially mounted to eliminate distracting projector noise during the show.

DOUBLE THE BRIGHTNESS

—of ordinary 8mm projectors. An entirely new optical system provides this double-the-light output along with a fast 1" f/1.6 lens.

3 EASY PRE-SHOWING STEPS

a. REMOVE COVER AND POSITION REEL ARMS

Depress small Button on top of the Case and remove Cover.
Swing Reel Arms up until they snap into operating position.

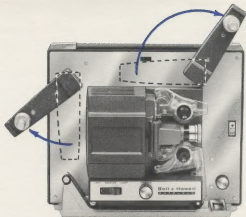
b. ATTACH REEL

To remove the Take-up Reel from the inside cover, grasp it by the spokes near the center and pull it free. Attach it to the Rear Spindle by aligning the ball and key on the spindle with the slot in the Reel and push firmly in place. The Reel will snap into place as it passes over the ball on the spindle.

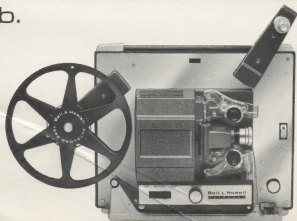
c. PLUG-IN POWER CORD

The Power Cord is located in the rear of the Projector. Plug the Power Cord into a wall outlet supplying 110-130 volt 60-cycle current only.

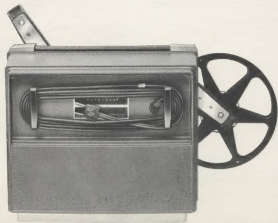
a.



b.



c.



2 ■ SETTING UP IS A SNAP

- a. SET PROJECTOR ON A FIRM STAND OR TABLE POINTED DIRECTLY AT YOUR SCREEN, not at an angle.

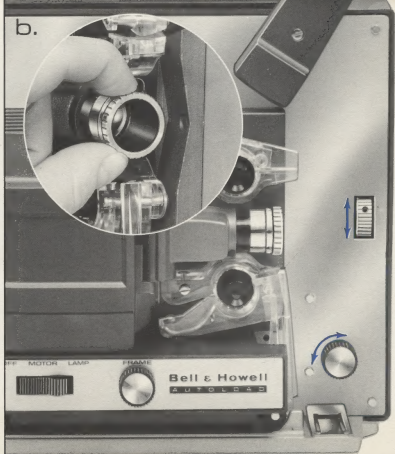
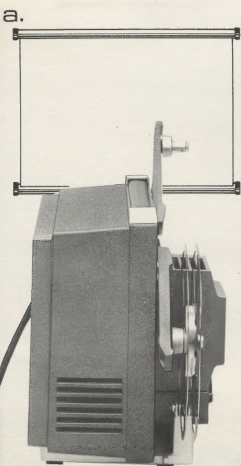
- b. PRESS CONTROL SWITCH TO THE "LAMP" POSITION

If there is no immediate projection of light on your screen, rotate the Single Frame Knob until a full frame of light appears.

ROTATE THE LENS UNTIL THE EDGE OF THE FRAME OF LIGHT IS FAIRLY SHARP

MOVE THE PROJECTOR UNTIL THE LIGHT IS POSITIONED PROPERLY ON YOUR SCREEN

If the light is too high or too low, loosen the Tilt Knob and grasp the Carrying Handle to tilt the Projector up. When the light is centered on your screen, tighten the Tilt Knob. Move the projector forward to decrease the frame of light and backward to increase it. When the light is properly positioned on your screen, turn the projector off.



a. PRE-THREADING STEPS

If your film is being used for the first time, or has a ragged end, square off the white leader end in the cutter on the base of the projector. Place film flat in channel with pins engaged in film perforations. Press cutter down to produce a clean cut.

For best threading results, it is necessary that the film have a white leader and the leader have a curl toward the center of the reel*.

*In the cases where the film does not have the proper curl, take the first few inches of leader and curl it towards the center of the reel as illustrated.



b. INSERTING FILM AND FORWARD OPERATION

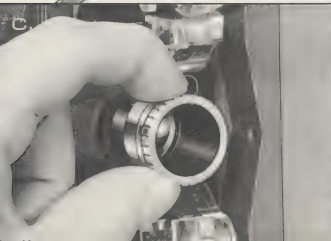
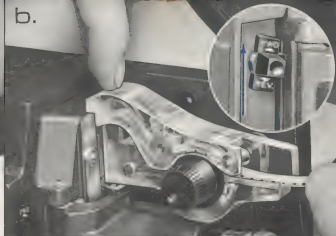
Place the full Film Reel on the Front Spindle so that the film end feeds from the bottom of the Reel towards the Projector. Press Control Switch to "Motor." Move Direction Lever to "Forward" (FWD), depress and hold Automatic Loop Setter down and insert Film End into Threading Slot. Hold the Automatic Loop Setter down until the Film emerges Threading System at the Rear Guide Roller. The film will thread onto Rear Reel Automatically. Press Control Switch to "Lamp".

c. FOCUS

Focus your picture in the first few seconds of film by rotating lens until image is sharp.

d. FRAMING

If your picture is cut off at the top or bottom, rotate the Framer Dial slowly, until the full picture appears on your screen.



4 DURING YOUR SHOW AND AFTER

a. STILL PROJECTION

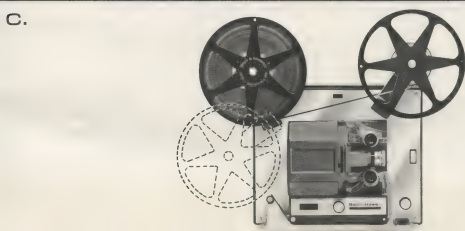
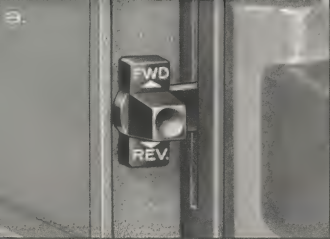
To stop at a single frame of your movie, simply move the Direction Lever to the center position. If when this is done, the screen goes black or is partially blocked, just rotate the Single Frame Advance to the next Frame.

b. REVERSE

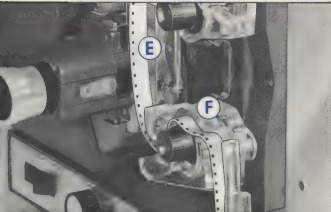
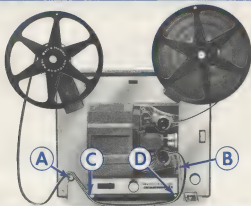
To reverse action for special effects, or review a scene, move the Direction Lever to the Reverse (REV.) Position.

C. FINISH

Press Control Switch to the "Motor" position and the Direction Lever to the Center Position when the last of your film passes through the Projector. Swing the Rear Reel Arm up until it snaps into Rewind Position. To rewind, feed the film from the Rear Reel directly onto the Front Reel. Turn the Front Reel to take up any slack. Move the Direction Lever to Reverse (REV.) When film is rewound, press Control Switch to "Off" and Direction Lever to Center Position. Place empty reel on retaining clip in cover. Remove the full reel of film and swing both Reel Arms down to their Storage Position. Rewind the Power Cord in the Rear Compartment. Replace Cover.



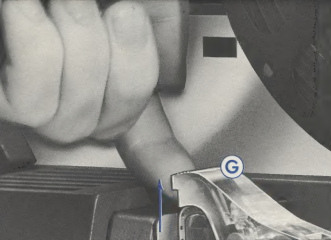
5. UNTHREADING MANUALLY



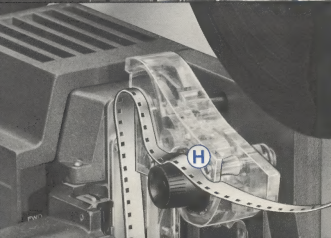
IF THE FILM DOES NOT THREAD PROPERLY

Reverse the Projector to remove the film. If the film will not clear the Projector, remove it manually. Move the Direction Lever to the center position and the Control Switch to motor to allow the fan to cool the Projector. Turn the Projector off. Move the Rear Reel Arm into the "Rewind" position. Unwind about one foot of film from the Rear Reel. Hold the Lower Film Guide (B) away from the Projector and slip the film out of the threading system at that point. Grasp the film at the Rear Guide Roller (A) and Lower Film Guide (B). Raise the film up tight against the Center Guide Rollers (C) and (D) and guide the film out and away from the channel working from (B) back to (A).

Grasp the Lens and pull the Lens Housing Open exposing the Film Gate (E). Guide the film off the Lower Sprocket Teeth (F) and out of the Film Gate (E).

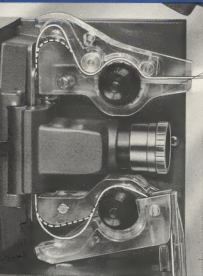


Move the Automatic Loop Setter up slightly (past detent) ©.



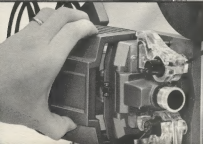
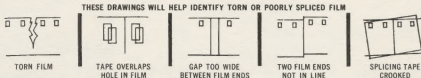
Guide the film off the Upper Sprocket Teeth ④ and out of the Threading System. The film should be inspected for damage and repaired before being rethreaded. Close Lens Housing.

6 RESTORING LOOP... LAMP REPLACEMENT



IF FILM LOSES LOOP

When this happens you will hear a noticeable clicking sound and your picture will flutter on the screen. (the dotted line in the picture to the left indicates the film path when the loop is lost.) To restore a lost Loop, without interrupting your show, push the Automatic Loop Setter down and immediately release. If the loop is not restored properly, move the Direction Lever to the Center Position, hold the Automatic Loop Setter down and rotate the upper and lower Ratchet Sprockets (The Ratchet Sprockets offer resistance and click loudly when rotated.) until the film fills the Loop Frames. (the solid white line in the picture to the left indicates to what extent you must fill the loop frames.) Release automatic Loop Setter. Flip Direction Lever to Forward (FWD) and continue your show. Examine your film after your show and if it is damaged, remove and splice out the damaged section. (See illustration below).



IF LAMP BURNS OUT

Allow the Projector to run in the "Motor" position until lamp has cooled. Turn the Projector "Off". Grasp Lamp House Cover and remove by pulling away from the Projector.

The correct replacement Lamp to use is clearly labeled. Pull the lamp straight out. To insert the New Lamp, align the center guide pin on the lamp with the lamp socket and rotate until it is easily pressed into place. Replace Lamp House Cover.

7 MAINTENANCE AND CLEANING

MAINTENANCE

Your projector is lubricated at the factory and requires no oiling by you. However, we recommend that it be cleaned and adjusted periodically by the factory, branch office or one of our approved service stations.

CLEANING THE APERTURE AND FILM CHANNEL

Swing the Lens Housing out and with a small brush or a piece of cloth, wipe the aperture and film channel. A rubber tipped syringe is useful for blowing out any dust or dirt which might accumulate within the upper or lower film guides.

CLEANING THE LENS

Pull out the projection lens for cleaning. Wipe off the lens surfaces with a moistened lens tissue or soft cloth.

8 TIPS FOR PROJECTING

Much has been said about the art of taking home movies, but little about the art of showing them. At your next show, give your audience a break by showing your movies under the best possible conditions you can. Why not have your projector all set up—threaded with film and the lens focused on the screen. Then when your friends arrive, a flip of the control switch will start the reels rolling without any unnecessary delay.

This new Bell & Howell product is guaranteed to be free from imperfections in both material and workmanship for one year from date of original purchase. Should any part of this equipment be defective, it will be replaced or repaired free of charge (except for transportation), providing the equipment has been operated according to the instructions accompanying it.

No liability is assumed for film which is damaged or is unsatisfactory for any reason and no liability is assumed for interruptions in operation of equipment. This guarantee is void:

- a) If equipment has been damaged by accident or mishandling;
- b) If equipment has been serviced by other than Bell & Howell approved service stations*;
- c) If adaptations or accessories other than Bell & Howell have been made or attached.

The foregoing is in lieu of all other warranties express or implied and Bell & Howell Company neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with this product.

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General Service Dept.
Bell & Howell Co.
Smith St.
East Farmingdale, L.I.

**Location of nearest approved service station will be furnished on request.*